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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/933,088	08/20/2001	Juergen Schlesinger	1717	6643

7590 10/21/2004

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EXAMINER
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ISMAIL, SHAWKI SAIF

ART UNIT	PAPER NUMBER
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2155

DATE MAILED: 10/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/933,088	SCHLESINGER ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Shawki S Ismail	2155	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on August 20, 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-11 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

1. Claims 1-11 are presented for examination.

Claim for foreign priority is acknowledged.

### ***Claim Rejections - 35 USC §102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

3. Claims 1-5, 8-10 are rejected under 35 U.S.C. 102(e) as being anticipated by **Remer et al, (Remer) U.S. Patent No. 6,742,039.**

4. As to claim 1, Remer teaches a method of establishing a data connection between a first computing device and a second computing device (col. 3, lines 40-50, remote computer 20c tries to establish communication with local computer 20a), comprising the steps of:

establishing a data connection to a second computing device through a third computing device (col. 3, lines 40-50, arbitrator 20b);

supplying from the first computing device a query signal to the third computing device (col. 3, lines 40-43, remote computer 20c sends a request for local computer 10 to arbitrator 20a);

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testing the query signal by the third computing device (col. 3, lines 50-64, arbitrator 20a performs a certification process in order to establish validity of the request from the remote computer 20c);

supplying by the third computing device, when a predetermined query signal is available, the query signal to a fourth computing device (col.3, line 65 – col. 4, lines 13, arbitrator forwards the request from remote computer 20c to connection entity 10b);

testing the query signal by the fourth computing device (col. 4, line 51 – col.5, line 4, connection entity 10b checks for valid requests from the arbitrator 20b); and

establishing by the fourth computing device when a predetermined parameter is available through the third computing device a data connection between the first and the second computing device (col. 4, line 51 – col.5, line 4, connection entity 10b checks for valid requests from the arbitrator 20b then establishes a connection with the local computer 10a.)

5. As to claim 2, Remer teaches the method as defined in claim 1, and further comprising before the establishing a data connection, testing by the third and/or the fourth computing device an access readiness of the first computing device, and allowing a data connection when the access readiness is provided (col. 3, lines 50-64, arbitrator 20a performs a certification process in order to establish validity of the request from the remote computer 20c).

6. As to claim 3, Remer teaches the method as defined in claim 2, and further comprising performing by the fourth computing device a testing of the

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access readiness (col.3 line 65 – col. 4, line13); establishing a data connection to the second computing device through the third computing device by the fourth computing device when the access readiness is provided (col. 4, lines 35-42); and allowing by the third computing device the data connection between the fourth computing device and the second computing device without testing an access readiness (col. 5, lines 5-15.)

7. As to claim 4, Remer teaches the method as defined in claim 1; and further comprising providing in the query signal a target address and a sender address; changing by the fourth computing device the sender address into an own address; and sending by the fourth computing device the query signal through the third computing device as the target address (col.3, line 65 – col.4, line 13 and col. 4, lines 51-67.)

8. As to claim 5, Remer teaches the method as defined in claim 1; and further comprising supplying by the first computing device an establishment signal with a sender address of the first computing device through the third computing device; transmitting by the third computing device the establishment signal to the fourth computing device; converting by the fourth computing device the sender address into an own address and supplying the changed establishment signal through the first computing device to the second computing device as a target address; sending by the second computing device an answer signal to the fourth computing device as a target address through the third computing device; providing in the answer signal as a sender signal the address of the second computing device; changing by the fourth computing device the

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target address of the answer signal into the address of the first computing device; changing by the fourth computing device the sender address into the address of the fourth computing device; and sending by the fourth computing device subsequently the changed answer signal through the third computing device to the first computing device (col.3, lines 14-23 and col. 4, lines 51-67.)

9. As to claim 8, it contains similar limitations as in claim 1; therefore, it is rejected under the same rationale.

10. As to claim 9, it contains similar limitations as in claim 5; therefore, it is rejected under the same rationale.

11. As to claim 10, it contains similar limitations as in claim 3; therefore, it is rejected under the same rationale.

### ***Claim Rejections - 35 USC § 103***

12. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

13. Claims 6, 7, and 11, are rejected under 35 U.S.C. 103(a) as being unpatentable over **Remer et al, (Remer)** U.S. Patent No. **6,742,039** and in view of **Coley et al., (Coley)** U.S. Patent No. **6,061,798**.

14. As to claims 6, 7, and 11 Remer teaches the method as defined in claim 1 wherein the data connection between a remote computer and local computer are

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established through the help of an arbitrator and a connection entity. Remer teaches where the remote computer supplies information to the arbitrator in regards to the request (col. 4, lines 14-23.)

However, Remer does not explicitly teach wherein the supplied information includes an alias name.

Coley teaches a firewall element for protecting network elements connected to a public network by addressing them according to an alias rather than by their IP addresses. The firewall contains an alias name corresponding to each computer on the network (col. 13, lines 16-24.)

It would have been obvious to one of ordinary skill in the art at the time of the applicants was made to incorporate the teaching of Coley as stated above with the network connection of Remer for including an alias name with the supplied information because it would have increased security of the network. Firewalls identified each computer's alias name with its corresponding IP address

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail  
Patent Examiner  
October 13, 2004



**HOSAIN ALAM**  
**SUPERVISORY PATENT EXAMINER**